



CALIFORNIA
ECO RESTORE
A STRONGER DELTA ECOSYSTEM.



PROGRAM OVERVIEW

2016

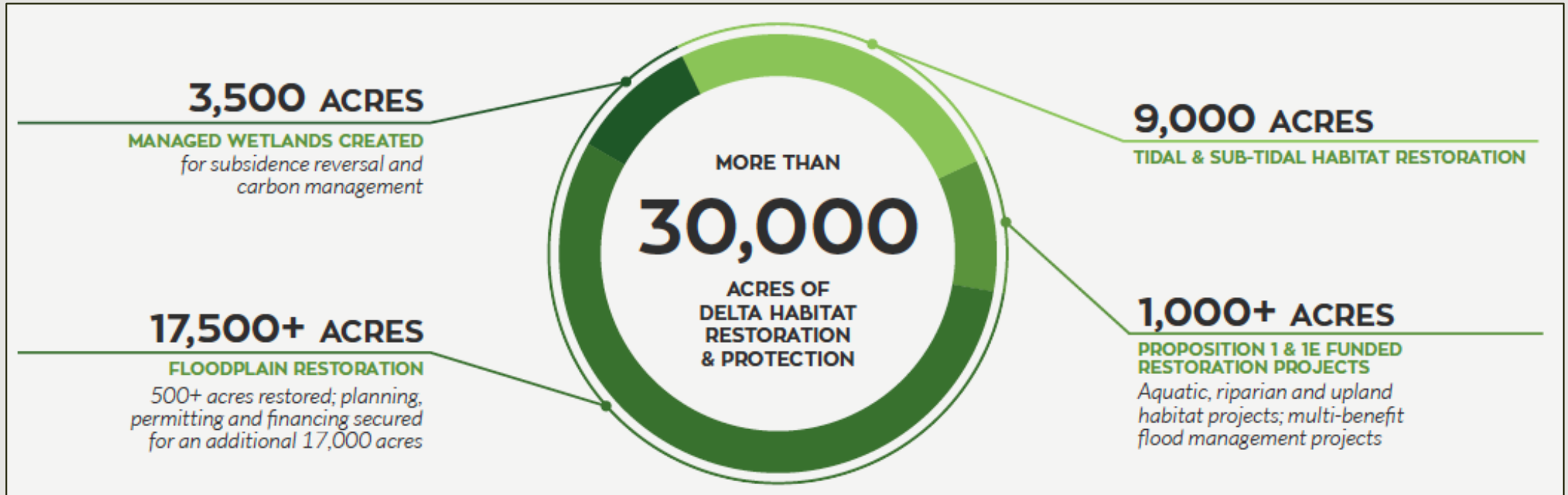


CALIFORNIA ECORESTORE

- **RESTORATION PROJECTS:** Program will accelerate the implementation of a comprehensive suite of habitat restoration actions in the Sacramento – San Joaquin Delta and Suisun Marsh
- **PLANNING:** Delta Conservancy will develop restoration plans for sub-regions of the Delta
- **MONITORING AND ADAPTIVE MANAGEMENT:** Development of a landscape Adaptive Management process to maximize effectiveness of restoration projects.



RESTORATION PROJECTS





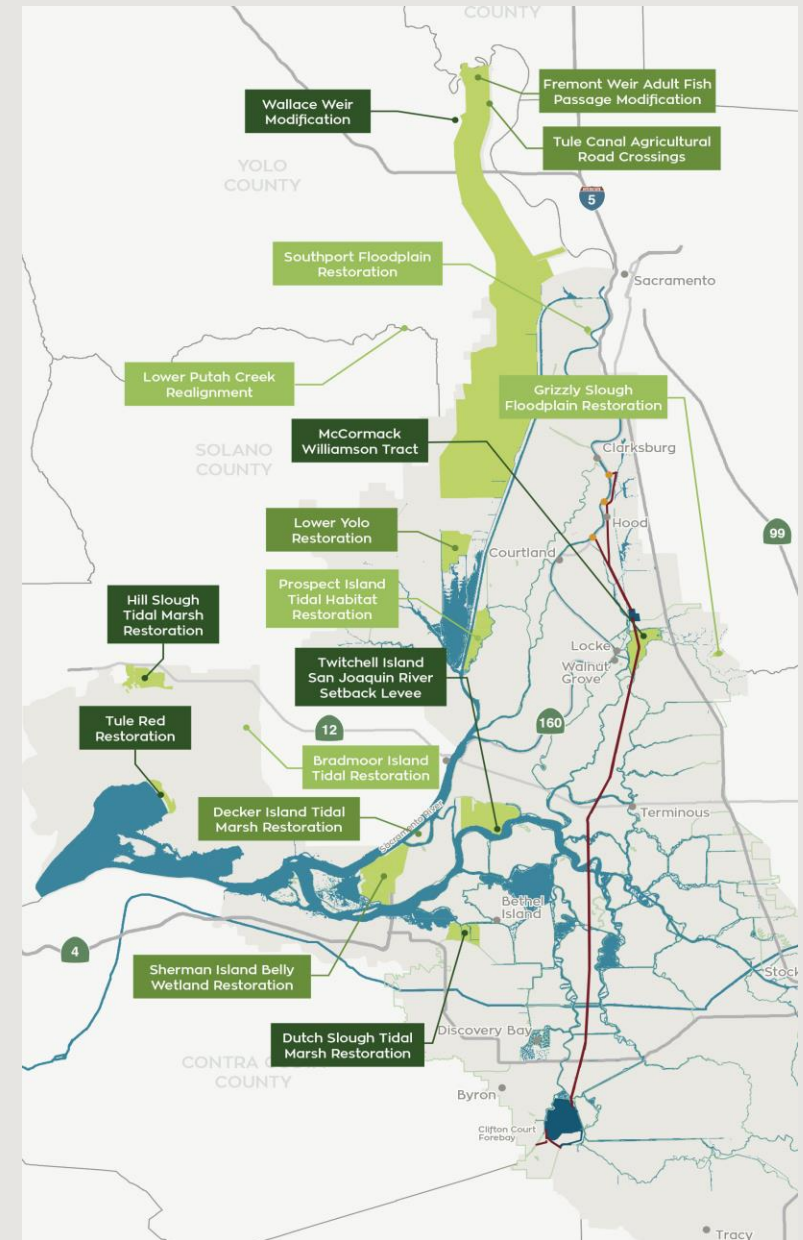
ADDITIONAL PROJECTS

- Fish passage in the Yolo Bypass
 - Block off Colusa Basin Drain
 - Agricultural Crossings
 - Fremont Weir Fish Ladder
- Shaded Riparian Habitat
 - Measured in lineal feet of habitat



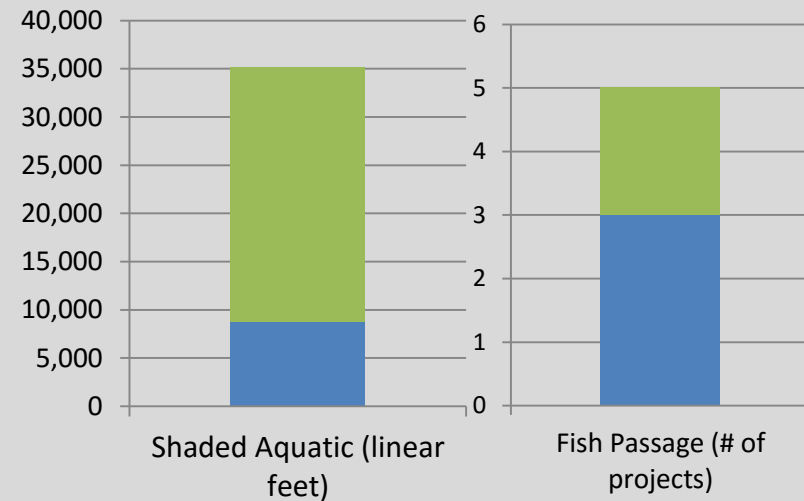
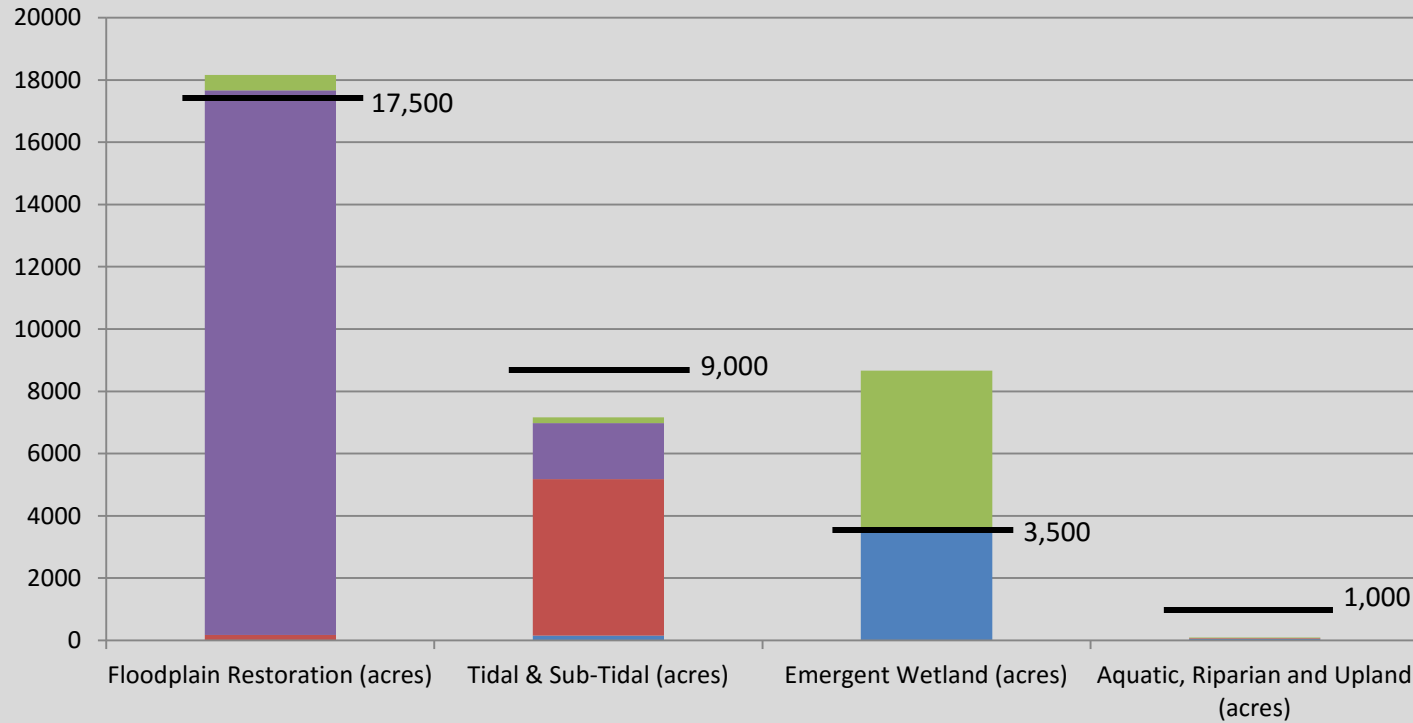
RESTORATION PROJECTS BREAKING GROUND IN 2016

- Anticipated Construction Starts in 2016:
 - Wallace Weir
 - Hill Slough
 - McCormick Williamson Tract
 - Dutch Slough
 - Tule Red
 - Sherman Island Setback Levee



HABITAT RESTORATION TARGETS & PLANNED PROGRESS THROUGH 2017

Planned In Permitting In Construction Completed EcoRestore Goals (total acres)





ADAPTIVE MANAGEMENT

- Delta Independent Science Board recommends an Adaptive Management program for the Delta
- How well do habitat projects improve the environment?
- Adaptive Management Cycle: Monitoring – Synthesis – Decisions – Monitoring – etc.
- Many well established monitoring programs exist
- EcoRestore Adaptive Management is only for Ecosystem Restoration projects in the Delta and Suisun Marsh



ADAPTIVE MANAGEMENT

- Need to Develop Institutional and Financial Structure for Ecosystem Adaptive Management
- Formation of Steering Committee and Technical Committee (IAMIT)
- Recommendation on Adaptive Management Program in 9 months from IAMIT
- Steering Committee to recommend structure and financing



STAY INVOLVED

<http://resources.ca.gov/ecorestore/>

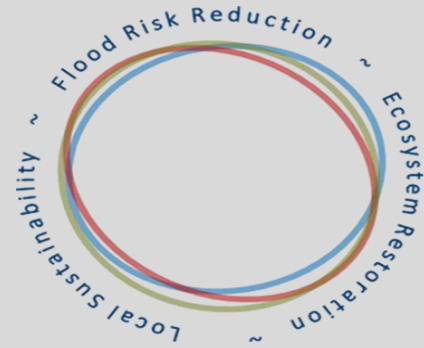
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PROGRESS IN THE YOLO BASIN

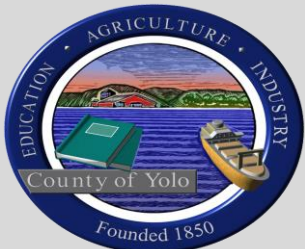
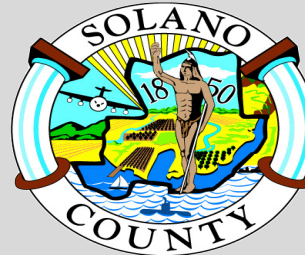
Kristopher Tjernell • CA Natural Resources Agency



Yolo Bypass & Cache Slough Partnership






**U.S. Army Corps
of Engineers**
Sacramento District

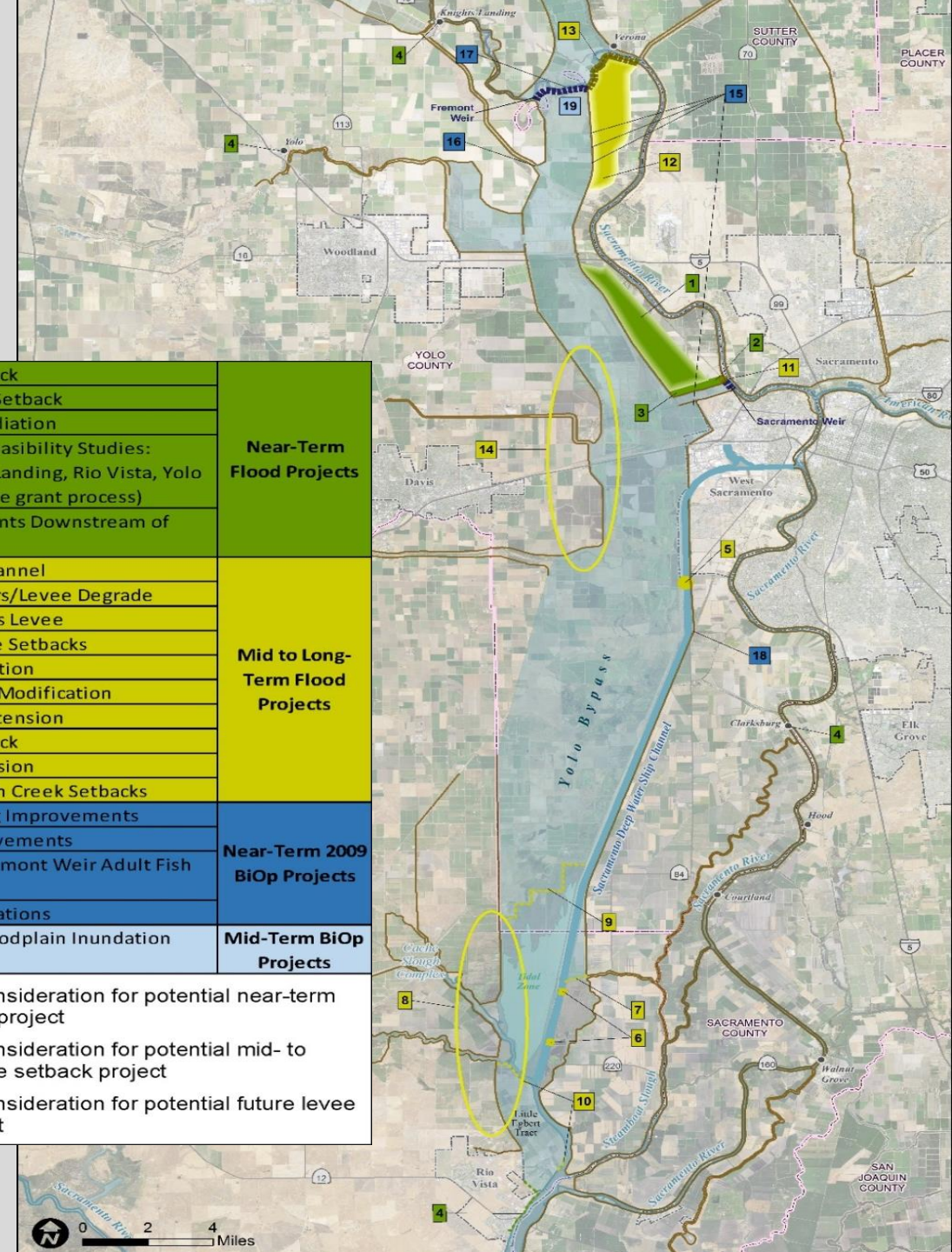


MOVING TOWARDS “YES”

- Potential Yolo Bypass/Cache Slough Flood & Ecosystem Improvements
- Concepts Reflect Ongoing Local, State, and Federal Planning Efforts

1	Lower Elkhorn Setback	Near-Term Flood Projects
2	Sacramento Bypass Setback	
3	Bryte Landfill Remediation	
4	Small Community Feasibility Studies: Clarksburg, Knights Landing, Rio Vista, Yolo (pending competitive grant process)	
TBD	In-Place Improvements Downstream of Sacramento Bypass	
5	Deep Water Ship Channel	Mid to Long-Term Flood Projects
6	Prospect Island Weirs/Levee Degrade	
7	Prospect Island Cross Levee	
8	Lower Yolo Westside Setbacks	
9	Step Levee Modification	
10	Lower Egbert Levee Modification	
11	Sacramento Weir Extension	
12	Upper Elkhorn Setback	
13	Fremont Weir Extension	Near-Term 2009 BiOp Projects
14	Willow Slough/Putah Creek Setbacks	
15	Agricultural Crossing Improvements	
16	Wallace Weir Improvements	
17	Improve Existing Fremont Weir Adult Fish Passage	Mid-Term BiOp Projects
18	Lisbon Weir modifications	
19	Fish Passage and Floodplain Inundation Notch	

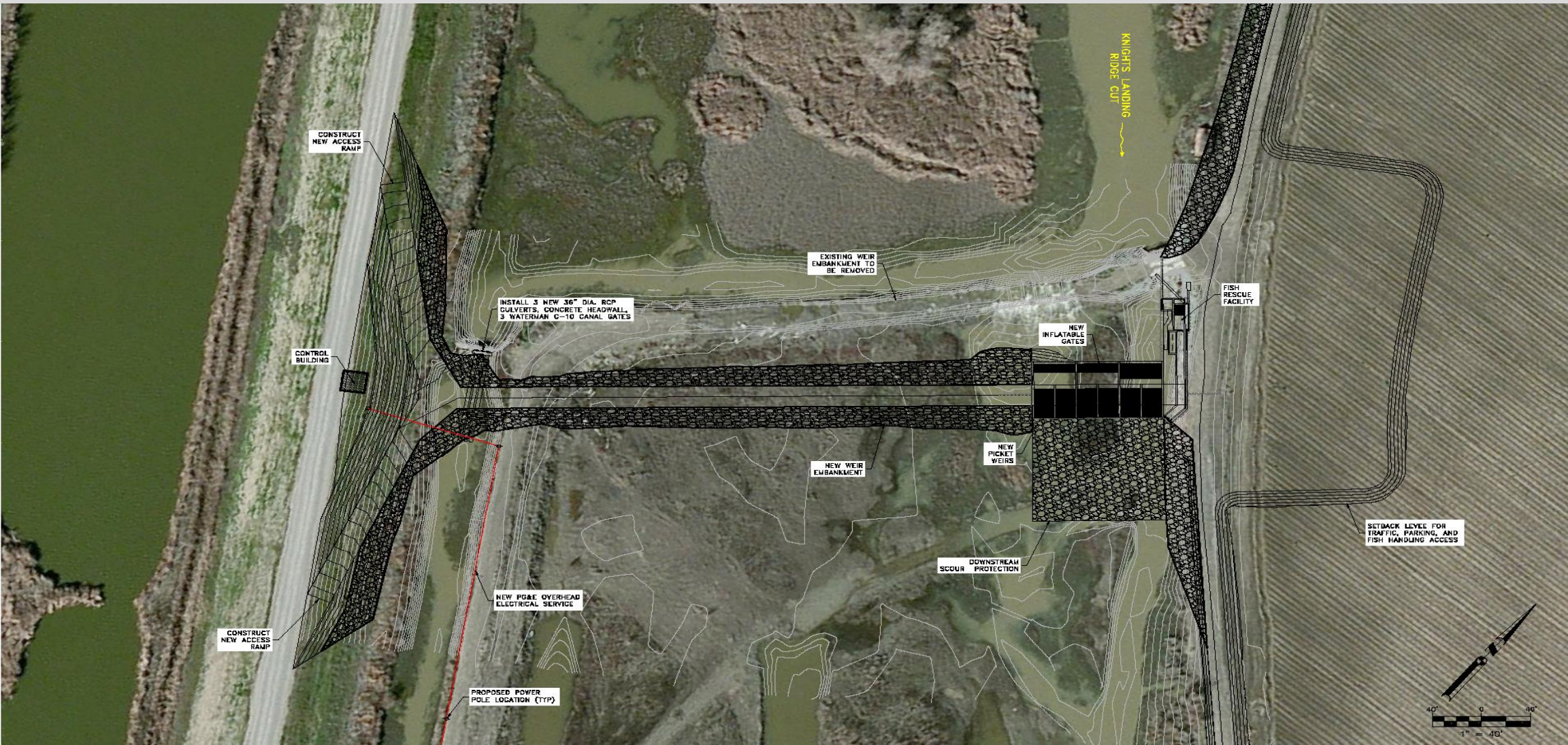
 Area under consideration for potential near-term levee setback project
 Area under consideration for potential mid- to long-term levee setback project
 Area under consideration for potential future levee setback project



WALLACE WEIR FISH RESCUE FACILITY



WALLACE WEIR FISH RESCUE FACILITY



LOWER ELKHORN MULTI-BENEFIT FLOOD PROJECT



OTHER EFFORTS

- **Additional Fish Passage Improvements**
- **Floodplain Restoration**
- **Tidal Wetland Restoration**
- **Proposition 1 Restoration Projects**
- **Delta Conservancy Restoration Planning**



DISCUSSION
